

Harness to use the function of the output module is prepared in ACE series.

# ACE Series

## Mating harness

| Model      | Harness model # | Contents   |
|------------|-----------------|--|
| ACE series | H-SN-14         | Harness for using AUX and PR alarm of CN1.   |
|            | H-SN-16         | Harness for using all function of output modules. (CN2)                            |
|            | H-SN-17         | Harness for using all functions except remote sensing of the output modules. (CN2) |
|            | H-SN-18         | Harness for using remote ON/OFF of output module S, T, U.(CN2)                     |

●Model number  
**H-SN-14**

Housing : XHP-3 (J.S.T.)  
Pin : SXH-001T-P0.6 (J.S.T.)

●Type

●Wire

| Pin # | Wire   | AWG | Color  | Length $l$ (mm) |
|-------|--------|-----|--------|-----------------|
| 1     | UL1007 | 22  | black  | 500             |
| 2     | UL1007 | 22  | yellow | 500             |
| 3     | UL1007 | 22  | red    | 500             |

●Model number  
**H-SN-16**

Housing : PHDR-10VS (J.S.T.)  
Pin : SPHD-002T-P0.5 (J.S.T.)

●Type

●Wire

| Pin # | Wire   | AWG | Color  | Length $l$ (mm) |
|-------|--------|-----|--------|-----------------|
| 1     | UL1061 | 28  | yellow | 500             |
| 2     | UL1061 | 28  | orange | 500             |
| 3     | -      | -   | -      | -               |
| 4     | -      | -   | -      | -               |
| 5     | UL1061 | 28  | blue   | 500             |
| 6     | UL1061 | 28  | black  | 500             |
| 7     | UL1061 | 28  | red    | 500             |
| 8     | UL1061 | 28  | red    | 500             |
| 9     | UL1061 | 28  | black  | 500             |
| 10    | UL1061 | 28  | black  | 500             |

\* The even number pin side of the connector is the same wiring as the odd number pin side.

●Model number  
**H-SN-17**

Housing : PHDR-10VS (J.S.T.)  
Pin : SPHD-002T-P0.5 (J.S.T.)

●Type

●Wire

| Pin # | Wire   | AWG | Color  | Length $l$ (mm) |
|-------|--------|-----|--------|-----------------|
| 1     | UL1061 | 28  | yellow | 500             |
| 2     | UL1061 | 28  | orange | 500             |
| 3     | -      | -   | -      | -               |
| 4     | -      | -   | -      | -               |
| 5     | UL1061 | 28  | blue   | 500             |
| 6     | UL1061 | 28  | black  | 500             |
| 7     | UL1061 | 28  | red    | 30              |
| 8     | UL1061 | 28  | red    | 30              |
| 9     | UL1061 | 28  | black  | 30              |
| 10    | UL1061 | 28  | black  | 30              |

\* Pin #7 and #8 are shorted with harness and also pin #9 and #10.

\* The even number pin side of the connector is the same wiring as the odd number pin side.

●Model number  
**H-SN-18**

Housing : PHR-2 (J.S.T.)  
Pin : SPH-002T-P0.5S (J.S.T.)

●Type

●Wire

| Pin # | Wire   | AWG | Color  | Length $l$ (mm) |
|-------|--------|-----|--------|-----------------|
| 1     | UL1007 | 26  | yellow | 500             |
| 2     | UL1007 | 26  | orange | 500             |

| Type    | Mating Model | Contents   |
|---------|--------------|--|
| B-ACE-7 | ACE series   | Terminal attachment to facilitate faston terminal output modules |
| B-ACE-8 | ACE series   | Terminal attachment to facilitate wiring                         |
| B-ACE-9 | ACE series   | Terminal attachment for series operation as output modules       |

★These attachments cannot be used for module code S, T, U, Y, W, Z, 9, Q, and V.

| B-ACE-7  | B-ACE-8   |
|--|---|
| <p><b>Size</b></p> <p><b>Installation (TOP)</b></p> <p>★ Material : Copper<br/>★ Thickness : 0.8<br/>★ Dimension in mm</p> | <p><b>Size</b></p> <p><b>Installation (TOP)</b></p> <p>★ Material : Brass<br/>★ Thickness : 1.0<br/>★ Dimension in mm</p> |

★ B-ACE-7: Recommended faston terminal #250. Quantity is 1 piece.

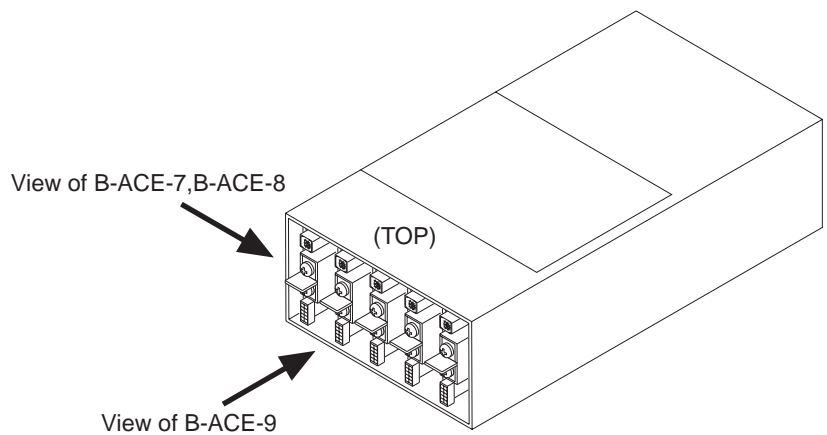
★ B-ACE-8: Please be careful with that B-ACE-8 is not stressed in wiring. Quantity is a couple.

**B-ACE-9**

**Size**

**Installation (TOP)**

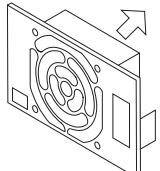
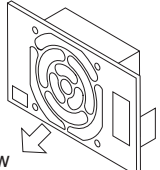
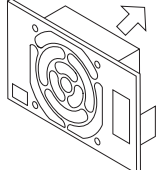
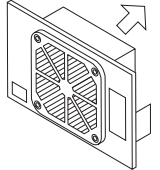
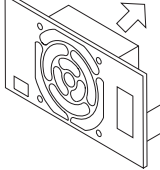
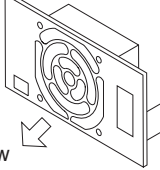
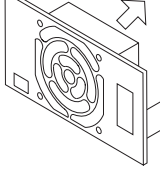
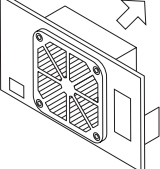
★ Material : Brass  
★ Thickness : 1.0  
★ Dimension in mm



## Fan unit

★ Fan unit is prepared by the option.

## ACE Series MAX Series

| Fan unit type                               | Matching model   | External  | Pin connection   |         |         |   |     |   |           |   |       |
|---|--|---|--|---------|---------|---|-----|---|-----------|---|-------|
| <b>FAN-AC3</b><br>(Standard)                | <b>ACE300F</b><br><Standard>                           |    | <p>CONNECTOR = XAP-03V-1<br/>(Mfr : J. S. T)<br/>TERMINAL = SXA-001T-P0.6<br/>(Mfr : J. S. T)</p> <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>POWER</td> </tr> </tbody> </table> <p>LENGTH OF HARNESS<br/>= 60 ± 10mm</p> | Pin No. | Content | 1 | GND | 2 | FAN ALARM | 3 | POWER |
| Pin No.                                     | Content  |   |  |         |         |   |     |   |           |   |       |
| 1   | GND  |   |  |         |         |   |     |   |           |   |       |
| 2   | FAN ALARM  |   |  |         |         |   |     |   |           |   |       |
| 3   | POWER  |   |  |         |         |   |     |   |           |   |       |
| <b>FAN-AC3-F</b><br>(Air flow reverse : -F) | <b>ACE300F</b><br><Modification : F>                   |    |  |         |         |   |     |   |           |   |       |
| <b>FAN-AC3-K</b><br>(Low speed : -K)        | <b>ACE300F</b><br><Modification : K>                   |    |  |         |         |   |     |   |           |   |       |
| <b>FAN-AC3-T</b><br>(With filter : -T)      | <b>ACE300F</b><br><Modification : T>                   |   |  |         |         |   |     |   |           |   |       |
| <b>FAN-AC4</b><br>(Standard)                | <b>ACE450F</b><br><b>ACE650F</b><br><Standard>         |  | <p>CONNECTOR = XAP-03V-1<br/>(Mfr : J. S. T)<br/>TERMINAL = SXA-001T-P0.6<br/>(Mfr : J. S. T)</p> <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>POWER</td> </tr> </tbody> </table> <p>LENGTH OF HARNESS<br/>= 55 ± 10mm</p> | Pin No. | Content | 1 | GND | 2 | FAN ALARM | 3 | POWER |
| Pin No.                                     | Content  |   |  |         |         |   |     |   |           |   |       |
| 1   | GND  |   |  |         |         |   |     |   |           |   |       |
| 2   | FAN ALARM  |   |  |         |         |   |     |   |           |   |       |
| 3   | POWER  |   |  |         |         |   |     |   |           |   |       |
| <b>FAN-AC4-F</b><br>(Air flow reverse : -F) | <b>ACE450F</b><br><b>ACE650F</b><br><Modification : F> |  |  |         |         |   |     |   |           |   |       |
| <b>FAN-AC4-K</b><br>(Low speed : -K)        | <b>ACE450F</b><br><b>ACE650F</b><br><Modification : K> |  |  |         |         |   |     |   |           |   |       |
| <b>FAN-AC4-T</b><br>(With filter : -T)      | <b>ACE450F</b><br><b>ACE650F</b><br><Modification : T> |  |  |         |         |   |     |   |           |   |       |

★ 1 Handle with care and don't add the impact such as falls or throwing to the unit.

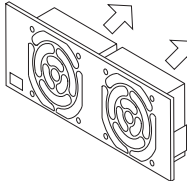
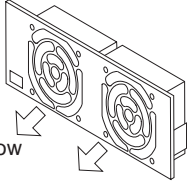
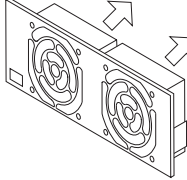
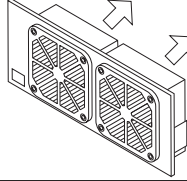
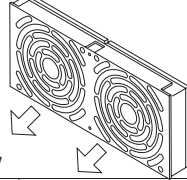
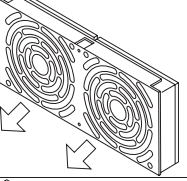
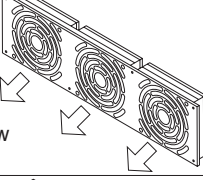
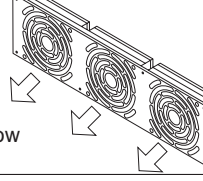
★ 2 Exchange the unit after intercepting the input power.

★ 3 When the unit is exchanged, make sure there are not loosening of the connector and shutting the harness.

## Fan unit

★ Fan unit is prepared by the option.

## ACE Series MAX Series

| Fan unit type                               | Matching model   | External   | Pin connection   |         |         |   |       |   |           |   |       |
|---|--|--|--|---------|---------|---|-------|---|-----------|---|-------|
| <b>FAN-AC9</b><br>(Standard)                | <b>ACE900F</b><br><Standard>                             |    | <p>CONNECTOR = XAP-03V-1<br/>(Mfr : J. S. T)<br/>TERMINAL = SXA-001T-P0.6<br/>(Mfr : J. S. T)</p> <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>POWER</td> </tr> </tbody> </table> <p>LENGTH OF HARNESS<br/>= 55 ± 10mm</p> | Pin No. | Content | 1 | GND   | 2 | FAN ALARM | 3 | POWER |
| Pin No.                                     | Content  |  |  |         |         |   |       |   |           |   |       |
| 1   | GND  |  |  |         |         |   |       |   |           |   |       |
| 2   | FAN ALARM  |  |  |         |         |   |       |   |           |   |       |
| 3   | POWER  |  |  |         |         |   |       |   |           |   |       |
| <b>FAN-AC9-F</b><br>(Air flow reverse : -F) | <b>ACE900F</b><br><Modification : F>                     |    |  |         |         |   |       |   |           |   |       |
| <b>FAN-AC9-K</b><br>(Low speed : -K)        | <b>ACE900F</b><br><Modification : K>                     |    |  |         |         |   |       |   |           |   |       |
| <b>FAN-AC9-T</b><br>(With filter : -T)      | <b>ACE900F</b><br><Modification : T>                     |   |  |         |         |   |       |   |           |   |       |
| <b>FAN-MA1</b><br>(Standard)                | <b>MAX1600F</b><br><b>MAX1600T</b><br><Standard>         |  | <p>CONNECTOR = XHP-3<br/>(Mfr : J. S. T)<br/>TERMINAL = SXH-001T-P0.6<br/>(Mfr : J. S. T)</p> <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>POWER</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> </tbody> </table> <p>LENGTH OF HARNESS<br/>= 210 ± 15mm</p>    | Pin No. | Content | 1 | POWER | 2 | FAN ALARM | 3 | GND   |
| Pin No.                                     | Content  |  |  |         |         |   |       |   |           |   |       |
| 1   | POWER  |  |  |         |         |   |       |   |           |   |       |
| 2   | FAN ALARM  |  |  |         |         |   |       |   |           |   |       |
| 3   | GND  |  |  |         |         |   |       |   |           |   |       |
| <b>FAN-MA1-B</b><br>(Long life : -B)        | <b>MAX1600F</b><br><b>MAX1600T</b><br><Modification : B> |  |  |         |         |   |       |   |           |   |       |
| <b>FAN-MA3</b><br>(Standard)                | <b>MAX3200T</b><br><Standard>                            |  |  |         |         |   |       |   |           |   |       |
| <b>FAN-MA3-B</b><br>(Long life : -B)        | <b>MAX3200T</b><br><Modification : B>                    |  |  |         |         |   |       |   |           |   |       |

- ★ 1 Handle with care and don't add the impact such as falls or throwing to the unit.
- ★ 2 Exchange the unit after intercepting the input power.
- ★ 3 When the unit is exchanged, make sure there are not loosening of the connector and shutting the harness.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cosel:

[B-ACE-7](#) [B-ACE-8](#) [B-ACE-9](#) [B-ACE-3](#) [B-ACE-4](#) [B-ACE-2](#) [B-ACE-5](#) [B-ACE-6](#)